D.KRUSL



Re-RUN

1600

·RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/686,234D

DATE: 03/20/2003 TIME: 14:53:31

Input Set : N:\vernette\US09686234D.raw
Output Set: N:\CRF4\03202003\I686234D.raw

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1 <110> APPLICANT: Sommervile, Chris
         Schieble, Wolf
 3 <120> TITLE OF INVENTION: Modified Cellulose Synthase Gene from Arabidopsis Thaliana
         Confers Herbicide Resistance to Plant
 5 <130> FILE REFERENCE: s-93,994
 6 <140> CURRENT APPLICATION NUMBER: US/09/686,234D
 7 <141> CURRENT FILING DATE: 2000-10-11
 8 <160> NUMBER OF SEQ ID NOS: 27
 9 <170> SOFTWARE: PatentIn version 3.2
                                                        ENTERED
11 <210> SEQ ID NO: 1
12 <211> LENGTH: 3563
13 <212> TYPE: DNA
14 <213> ORGANISM: Artificial
15 <220> FEATURE:
16 <223> OTHER INFORMATION: IXR-1-1 mutant
17 <400> SEQUENCE: 1
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                                                                               120
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20
                                                                               180
         gatttqaact atteegaegt tteggtgttg gaageaacta agtgaeaaat ggaateegaa
21
         ggggaaaccg cgggaaagcc gatgaagaac attgttccgc agacttgcca gatctgtagt
                                                                               240
22
         gacaatgttg gcaagactgt tgatggagat cgttttgtgg cttgtgatat ttgttcattc
                                                                               300
                                                                               360
23
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24
         tgcaaaacca gatacaagag gctcaaaggt agtcctgcta ttcctggtga taaagacgag
                                                                               420
         gatggcttag ctgatgaagg tactgttgag ttcaactacc ctcagaagga gaaaatttca
                                                                               480
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27
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                                                                               600
28
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                                                                               720
30
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                                                                               780
31
                                                                               840
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32
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33
                                                                               960
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38
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1620

RAW SEQUENCE LISTING DATE: 03/20/2003 PATENT APPLICATION: US/09/686,234D TIME: 14:53:31

Input Set: N:\vernette\US09686234D.raw
Output Set: N:\CRF4\03202003\I686234D.raw

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46
                                                                               1740
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         atgaatgcac tggtgagagt ttcagcagtt cttaccaatg gacctttcat cttgaatctt
47
                                                                               1800
48
                                                                               1860
         gattgtgatc attacataaa taacagcaaa gccttaagag aagcaatgtg cttcctgatg
49
                                                                               1920
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50
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                                                                               2040
52
                                                                               2100
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53
         ctctqtqqtq qatcaaqaaa qaaqaattcc aaaqctaaqa aaqaqtcqqa caaaaagaaa
                                                                               2160
                                                                               2220
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55
         gttgaaggtg ctggttttga tgatgaaaag gcgctcttaa tgtcgcaaat gagcctggag
                                                                               2280
56
                                                                               2340
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57
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                                                                               2460
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60
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                                                                               2760
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                                                                               2940
66
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71
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81 <212> TYPE: DNA
82 <213> ORGANISM: Artificial
83 <220> FEATURE:
84 <223> OTHER INFORMATION: IXR-1-2 mutant
85 <400> SEQUENCE: 2
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                                                                                180
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89
         ggggaaaccg cgggaaagcc gatgaagaac attgttccgc agacttgcca gatctgtagt
                                                                                240
                                                                                300
90
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91
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92
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                                                                                420
93
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```

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Input Set : N:\vernette\US09686234D.raw
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0.5							600
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97	aagcgccttc d						720
98	gttggactcg (						780
99	aagaatactg 🤉					_	840
100					acgaagcgag		900
101					acagaatggt		960
102					caaacccagt		1020
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104	gatcagtttc	ccaagtggtt	tcctgtgaac	cgtgaaacct	acctcgacag	gcttgcttta	1140
105	agatatgatc	gtgaaggtga	gccatcacag	ttagctgctg	ttgacatttt	cgtgagtact	1200
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112					caggggacca		1620
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115					gacctttcat		1800
116					aagcaatgtg		1860
117					cacaaagatt		1920
118					ttgatattaa		1980
119					gtgttttcaa		2040
120					agccaagtct		2100
121					aagagtcgga		2160
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123					tgťcgcaaat		2280
124					taatggaaaa		2340
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126					tctatggttc		2460
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137					ttgttgcagg		3120
137	_		_			-	3180
138	-			_	ataagttgtt		3240
		- ,			tgggtcgaca		3300
140					tcttctcgtt		3360
141		_			ttctggaatg		3420
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RAW SEQUENCE LISTING
PATENT APPLICATION: US/09/686,234D

DATE: 03/20/2003
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Input Set : N:\vernette\US09686234D.raw
Output Set: N:\CRF4\03202003\I686234D.raw

144		gttcttctgt cttggtgtca taaatttatg tgtagaatat atcttactct agttactttg 3	3540
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155		acggctgcga gaagacgaca gaaggggatc c	91
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		FEATURE:	
		OTHER INFORMATION: Primer Sequence	
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		ORGANISM: Artificial	
		FEATURE:	
		OTHER INFORMATION: Primer sequence	
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173	<210×	gcttacctgg agacagtca SEQ ID NO: 6	19
		LENGTH: 19	
		TYPE: DNA	
		ORGANISM: Artificial	
		FEATURE:	
		OTHER INFORMATION: Primer Sequence	
		SEQUENCE: 6	
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184	<210>	SEQ ID NO: 7	
		LENGTH: 18	
186	<212>	TYPE: DNA	
187	<213>	ORGANISM: Artificial	
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190	<400>	SEQUENCE: 7	
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		ORGANISM: Artificial	
		FEATURE:	
198	<223>	OTHER INFORMATION: Primer sequence	

## RAW SEQUENCE LISTING DATE: 03/20/2003 PATENT APPLICATION: US/09/686,234D TIME: 14:53:31

Input Set : N:\vernette\US09686234D.raw
Output Set: N:\CRF4\03202003\I686234D.raw

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	> LENGTH: 19	
	> TYPE: DNA	
	> ORGANISM: Artificial	
	> FEATURE:	
	> OTHER INFORMATION: Primer sequence	
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209	ctccgtctat tcaagatgc	19
	> SEQ ID NO: 10	
	> LENGTH: 19	
	> TYPE: DNA	
	> ORGANISM: Artificial	
	> FEATURE:	
	> OTHER INFORMATION: Primer sequence	
	> SEQUENCE: 10	
218	acctgaacca tcctccgtc	19
	> SEQ ID NO: 11	
	> LENGTH: 19	
	> TYPE: DNA	
	> ORGANISM: Artificial	
	> FEATURE:	
	> OTHER INFORMATION: Primer sequence	
	> SEQUENCE: 11	
227	tcattttggc cgacttagc	19
	> SEQ ID NO: 12	
	> LENGTH: 22	
	> TYPE: DNA	
	> ORGANISM: Artificial	
	> FEATURE:	
	> OTHER INFORMATION: Primer sequence	
	> SEQUENCE: 12	22
236	tctccccact agttttgtgt cc	22
	> SEQ ID NO: 13	
	> LENGTH: 21 > TYPE: DNA	
	> ORGANISM: Artificial > FEATURE:	
	> OTHER INFORMATION: Primer sequence	
	> SEQUENCE: 13	
244 \4002	gaaatccaaa tcccagagag g	21
	> SEQ ID NO: 14	21
	> SEQ 1D NO: 14 > LENGTH: 18	
	> TYPE: DNA	
	> ORGANISM: Artificial	
	> FEATURE:	
	> OTHER INFORMATION: Primer sequence	
	> SEQUENCE: 14	
200 1900/	- CLEGATION 14	

RAW SEQUENCE LISTING ERROR SUMMARY
PATENT APPLICATION: US/09/686,234D

DATE: 03/20/2003 TIME: 14:53:32

Input Set : N:\vernette\US09686234D.raw
Output Set: N:\CRF4\03202003\I686234D.raw

## Invalid Line Length:

The rules require that a line not exceed 72 characters in length. This includes spaces.

Seq#:1; Line(s) 3
Seq#:3; Line(s) 152

## Invalid <213> Response:

Use of "Artificial" only as "<213> Organism" response is incomplete, per 1.823(b) of New Sequence Rules. Valid response is Artificial Sequence.

Seq#:1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21,22,23,24,25,26,27

VERIFICATION SUMMARY

DATE: 03/20/2003

PATENT APPLICATION: US/09/686,234D

TIME: 14:53:32

Input Set : N:\vernette\US09686234D.raw
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L:6 M:270 C: Current Application Number differs, Wrong Format